L Number	Hits	Search Text	DB	Time stamp
1	1	("6456892").PN.	USPAT	2003/09/12 16:07
2	1	(("6456892").PN.) and remote	USPAT	2003/09/12 16:13
3	74	wml and remote	USPAT	2003/09/12 16:13
4	39471	gui ((graphical user) adj1 interface)	USPAT	2003/09/12 16:13
5	50	(wml and remote) and (gui ((graphical user) adj1 interface))	USPAT	2003/09/12 16:13
6	13938	(gui ((graphical user) adj1 interface)) with (generat$3 creat$3 transmi$5 receiv$3 send$3 configur$3)	USPAT	2003/09/12 16:14
7	19	((wml and remote) and (gui ((graphical user) adj1 interface))) and ((gui ((graphical user) adj1 interface)) with (generat$3 creat$3 transmi$5 receiv$3 send$3 configur$3))	USPAT	2003/09/12 16:20
8	19	(wml and remote) and ((gui ((graphical user) adj1 interface)) with (generat$3 creat$3 transmi$5 receiv$3 send$3 configur$3))	USPAT	2003/09/12 16:32
9	2010	((gui ((graphical user) adj1 interface)) with (generat$3 creat$3 transmi$5 receiv$3 send$3 configur$3)) and (http browser) and remote	USPAT	2003/09/12 16:33
10	6547	((gui ((graphical user) adj1 interface)) with (generat$3 creat$3 transmi$5 receiv$3 send$3 configur$3)) with (information data decription specification attribute property describ$3)	USPAT	2003/09/12 16:34
11	1034	(((gui ((graphical user) adj1 interface)) with (generat$3 creat$3 transmi$5 receiv$3 send$3 configur$3)) and (http browser) and remote) and (((gui ((graphical user) adj1 interface)) with (generat$3 creat$3 transmi$5 receiv$3 send$3 configur$3)) with (information data decription specification attribute property describ$3))	USPAT	2003/09/12 16:34
12	429	(((gui ((graphical user) adj1 interface)) with (generat$3 creat$3 transmi$5 receiv$3 send$3 configur$3)) with (information data decription specification attribute property describ$3)) with (host server client target) with (computer device workstation)	USPAT	2003/09/12 16:36
13	137	((((gui ((graphical user) adj1 interface)) with (generat$3 creat$3 transmi$5 receiv$3 send$3 configur$3)) and (http browser) and remote) and (((gui ((graphical user) adj1 interface)) with (generat$3 creat$3 transmi$5 receiv$3 send$3 configur$3)) with (information data decription specification attribute property describ$3))) and ((((gui ((graphical user) adj1 interface)) with (generat$3 creat$3 transmi$5 receiv$3 send$3 configur$3)) with (information data decription specification attribute property describ$3)) with (host server client target) with (computer device workstation))	USPAT	2003/09/12 16:36

| 14 | 135 | (((((gui ((graphical user) adj1 interface)) with (generat$3 creat$3 transmi$5 receiv$3 send$3 configur$3)) and (http browser) and remote) and (((gui ((graphical user) adj1 interface)) with (generat$3 creat$3 transmi$5 receiv$3 send$3 configur$3)) with (information data decription specification attribute property describ$3))) and ((((gui ((graphical user) adj1 interface)) with (generat$3 creat$3 transmi$5 receiv$3 send$3 configur$3)) with (information data decription specification attribute property describ$3)) with (host server client target) with (computer device workstation))) not ((wml and remote) and ((gui ((graphical user) adj1 interface)) with (generat$3 creat$3 transmi$5 receiv$3 send$3 configur$3))) | USPAT | 2003/09/12 16:36 |

L Number	Hits	Search Text	DB	Time stamp
1	89018	gui ((graphical user) adj1 interface)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/11 17:18
2	706	(gui ((graphical user) adj1 interface)) with (transmi$5 send$3) with (descri$5 ident$7)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/11 17:21
3	349	((gui ((graphical user) adj1 interface)) with (transmi$5 send$3) with (descri$5 ident$7)) and (wireless wml html http)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/11 17:24
4	138	((gui ((graphical user) adj1 interface)) with (transmi$5 send$3) with (descri$5 ident$7)) and ((remote client portable) adj1 (computer workstation))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/11 17:26
5	7	((gui ((graphical user) adj1 interface)) with (transmi$5 send$3) with (descri$5 ident$7)) with ((remote client portable) adj1 (computer workstation))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/11 17:29
6	121	((gui ((graphical user) adj1 interface)) with (transmi$5 send$3) with (descri$5 ident$7)) with (computer workstation)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/11 17:30
7	92	(((gui ((graphical user) adj1 interface)) with (transmi$5 send$3) with (descri$5 ident$7)) with (computer workstation)) and ((((gui ((graphical user) adj1 interface)) with (transmi$5 send$3) with (descri$5 ident$7)) and (wireless wml html http)) (((gui ((graphical user) adj1 interface)) with (transmi$5 send$3) with (descri$5 ident$7)) and ((remote client portable) adj1 (computer workstation))))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/11 17:30
8	31	(((gui ((graphical user) adj1 interface)) with (transmi$5 send$3) with (descri$5 ident$7)) with (computer workstation)) and (((gui ((graphical user) adj1 interface)) with (transmi$5 send$3) with (descri$5 ident$7)) and (wireless wml html http)) and (((gui ((graphical user) adj1 interface)) with (transmi$5 send$3) with (descri$5 ident$7)) and ((remote client portable) adj1 (computer workstation)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/11 17:40
9	61	((((gui ((graphical user) adj1 interface)) with (transmi$5 send$3) with (descri$5 ident$7)) with (computer workstation)) and ((((gui ((graphical user) adj1 interface)) with (transmi$5 send$3) with (descri$5 ident$7)) and (wireless wml html http)) (((gui ((graphical user) adj1 interface)) with (transmi$5 send$3) with (descri$5 ident$7)) and ((remote client portable) adj1 (computer workstation))))) not ((((gui ((graphical user) adj1 interface)) with (transmi$5 send$3) with (descri$5 ident$7)) with (computer workstation)) and (((gui ((graphical user) adj1 interface)) with (transmi$5 send$3) with (descri$5 ident$7)) and (wireless wml html http)) and (((gui ((graphical user) adj1 interface)) with (transmi$5 send$3) with (descri$5 ident$7)) and ((remote client portable) adj1 (computer workstation))))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/11 17:51
10	63	(345/740,748).CCLS.	USPAT	2003/09/11 17:52

11	1	((gui ((graphical user) adj1 interface)) with (transmi$5 send$3) with (descri$5 ident$7)) and ((345/740,748).CCLS.)	USPAT	2003/09/11 18:01
12	723	(gui ((graphical user) adj1 interface)) with (limited small hand-held palm) with (computer device)	USPAT	2003/09/11 18:02
13	27	((gui ((graphical user) adj1 interface)) with (transmi$5 send$3) with (descri$5 ident$7)) and ((gui ((graphical user) adj1 interface)) with (limited small hand-held palm) with (computer device))	USPAT	2003/09/11 18:02

(19) **United States**

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(54) **INFORMATION PROCESSING APPARATUS AND INFORMATION DISPLAY METHOD**

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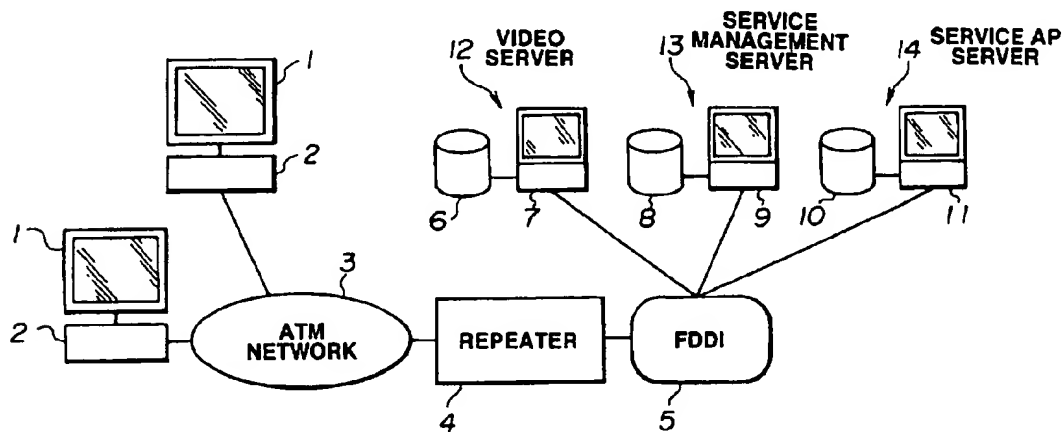
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Publication Classification

(57) **ABSTRACT**

In an information processing apparatus and an information display method of this invention, user operates client computer to connect it to server computer by using communication line to carry out, when user accepts offer of service, e.g., offer of information, video viewing or order of goods, etc., an operation to display entrance hall within virtually actualized space on the display of the client computer, and to further display thereon plural shops by a specific pattern in relation to the entrance hall. As an example of the specific pattern, there is used a pattern such that entrance hall is disposed at one side of polygon, respective shops are disposed at other respective sides, and the entrance hall is caused to have a height capable of viewing other respective shops by bird's eye. Thus, in the three-dimensional GUI, the retrievability and the functional availability are increased. In addition, it becomes possible to also adopt, in a natural form, the concept with which many users who have used the two-dimensional GUI are familiar.

L Number	Hits	Search Text	DB	Time stamp
2	1	(("6456892").PN.) and (interface gui)	USPAT	2003/09/12 13:16
3	1	(("6456892").PN.) and (common universal standard international iEEE)	USPAT	2003/09/12 13:47
4	1	(("6456892").PN.) and (xml wml mark$3)	USPAT	2003/09/12 13:48
5	0	(("6456892").PN.) and (html language)	USPAT	2003/09/12 13:50
6	0	(("6456892").PN.) and (www brows$3)	USPAT	2003/09/12 13:51
7	1539	wml	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/12 13:51
8	38369	browser	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/12 13:51
9	1111	wml and browser	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/12 13:52
10	89018	((graphical user) adj1 interface) gui	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/12 13:52
11	89520	(host serv$5) adj1 computer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/12 13:54
12	16448	(target client) adj1 computer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/12 13:53
13	103	browser and (wml and browser) and (((graphical user) adj1 interface) gui) and ((host serv$5) adj1 computer) and ((target client) adj1 computer) and wml	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/12 13:54
14	98582	(host serv$5 remote) adj1 computer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/12 13:54
15	109	browser and (wml and browser) and (((graphical user) adj1 interface) gui) and (((host serv$5 remote) adj1 computer) ((host serv$5) adj1 computer)) and ((target client) adj1 computer) and wml	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/12 14:01
16	109	browser and (wml and browser) and (((graphical user) adj1 interface) gui) and (((host serv$5 remote) adj1 computer) ((host serv$5) adj1 computer)) and ((target client) adj1 computer)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/12 14:02
17	0	(browser and (wml and browser) and (((graphical user) adj1 interface) gui) and (((host serv$5 remote) adj1 computer) ((host serv$5) adj1 computer)) and ((target client) adj1 computer)) not (browser and (wml and browser) and (((graphical user) adj1 interface) gui) and (((host serv$5 remote) adj1 computer) ((host serv$5) adj1 computer)) and ((target client) adj1 computer) and wml)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/12 14:01
18	2468	browser and (((graphical user) adj1 interface) gui) and (((host serv$5 remote) adj1 computer) ((host serv$5) adj1 computer)) and ((target client) adj1 computer)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/12 14:03

19	8	((((host serv$5) adj1 computer) ((target client) adj1 computer)) with (((graphical user) adj1 interface) gui) with (decri$5 specification)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/12 14:05
20	855	(((host serv$5) adj1 computer) ((target client) adj1 computer)) with (((graphical user) adj1 interface) gui) with (information data property attribute decri$5 specification)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/12 14:04
21	233	(browser and (((graphical user) adj1 interface) gui) and (((host serv$5 remote) adj1 computer) ((host serv$5) adj1 computer)) and ((target client) adj1 computer)) and ((((host serv$5) adj1 computer) ((target client) adj1 computer)) with (((graphical user) adj1 interface) gui) with (information data property attribute decri$5 specification))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/12 14:04
22	17044	(((host serv$5) adj1 computer) ((target client) adj1 computer)) with (service function)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/12 14:05
23	147	((browser and (((graphical user) adj1 interface) gui) and (((host serv$5 remote) adj1 computer) ((host serv$5) adj1 computer)) and ((target client) adj1 computer)) and ((((host serv$5) adj1 computer) ((target client) adj1 computer)) with (((graphical user) adj1 interface) gui) with (information data property attribute decri$5 specification))) and ((((host serv$5) adj1 computer) ((target client) adj1 computer)) with (service function))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/12 14:06
24	144	(((browser and (((graphical user) adj1 interface) gui) and (((host serv$5 remote) adj1 computer) ((host serv$5) adj1 computer)) and ((target client) adj1 computer)) and ((((host serv$5) adj1 computer) ((target client) adj1 computer)) with (((graphical user) adj1 interface) gui) with (information data property attribute decri$5 specification))) and ((((host serv$5) adj1 computer) ((target client) adj1 computer)) with (service function))) not (browser and (wml and browser) and (((graphical user) adj1 interface) gui) and (((host serv$5 remote) adj1 computer) ((host serv$5) adj1 computer)) and ((target client) adj1 computer) and wml)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/12 14:24
25	0	(("6456892").PN.) and (wireless hypertext)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/12 14:24
1	1	("6456892").PN.	USPAT	2003/09/12 15:25
27	0	(((("6032202") or ("6349532") or ("6052750") or ("6038625")).PN.) and (wml browser wireless hypertext http html)	USPAT	2003/09/12 14:49
26	4	(("6032202") or ("6349532") or ("6052750") or ("6038625")).PN.	USPAT	2003/09/12 14:48
28	4	(("6032202") or ("6349352") or ("6052750") or ("6038625")).PN.	USPAT	2003/09/12 14:49
29	0	(((("6032202") or ("6349352") or ("6052750") or ("6038625")).PN.) and (wml browser wireless hypertext http html)	USPAT	2003/09/12 14:49
30	1	("6523696").PN.	USPAT	2003/09/12 15:26